

STIC Biotechnology Systems Branch

RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/597,945
Source: 1FWO
Date Processed by STIC: 08/24/2006

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

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- 1) **INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,**
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FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.4.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<http://www.uspto.gov/ebc/efs/downloads/documents.htm>), EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05): U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314

Revised 01/10/06



IFWO

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/597,945

DATE: 08/24/2006
TIME: 13:07:45

Input Set : A:\pto.da.txt
Output Set: N:\CRF4\08232006\J597945.raw

2 <110> APPLICANT: Korea Research Institute of Bioscience and Biotechnology
 3 KWAK, Sang-Soo
 4 KWON, Suk-Yoon
 5 LEE, Haeng-Soon
 6 RYU, Sun-Hwa
 8 <120> TITLE OF INVENTION: Multiple stress-inducible peroxidase promoter derived from
 9 Ipomoea batatas
 11 <130> FILE REFERENCE: 58049-00035
 13 <140> CURRENT APPLICATION NUMBER: US 10/597,945
 W--> 14 2006-08-11 → Pls Insert Mandatory 21417
 C--> 16 <141> CURRENT FILING DATE: 2006-08-11
 16 <150> PRIOR APPLICATION NUMBER: PCT/KR2004/000381
 W--> 17 2004-02-24 → Pls Insert Mandatory 21517
 19 <160> NUMBER OF SEQ ID NOS: 30
 21 <170> SOFTWARE: KopatentIn 1.71

Does Not Comply
Corrected Diskette Needed

(pg-2,3,4)

ERRORED SEQUENCES

23 <210> SEQ ID NO: 1		
24 <211> LENGTH: 1512		
25 <212> TYPE: DNA		
26 <213> ORGANISM: Ipomoea batatas		
28 <400> SEQUENCE: 1		
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31 ggcttctcca tttaccagaa taccataca gccatgaaag ggcagcttaa gctcacccca	120	
33 aagtggctgc tagacaacac tctagagtgc tcagtggccg acgtgctetc actacgccta	180	
35 ggcatctcct ccggcaagct ttccgacgaa gactgcatat tctccgcgt taaggaagtg	240	
37 gtggacgcgc ccattgtatgc agaaaacccgc atgggtgctt ccctcattcg ccttttcttc	300	
39 catgactgct ttgttgatgt acgtacgcta attttgtacg atgatgttt tttttttttt	360	
41 ttttttttc ccactgcatt atattaggaa attaaacaga ttgaaatgtg tgttattaat	420	
43 gtattatctg cagggttgtg acgcaggct tctactaaac gatacaccta ctccacccgg	480	
45 agaacagacc gcccggca ataataactc agtcagaggt tttgaggtga tacaacaagc	540	
47 taaagagaat gtgataacca aatgtcccta catacaagta tcttgtgcgc acatcttac	600	
49 cattgctgcc cgtgattctt tccagagagt aagtccattt atttctaaag gttgaaatta	660	
51 ataagaacaa gaatccaaac aaataacaga cagtaaaaaa aaaagattta tgtgtttga	720	
53 caaatatgtt aaattgttt tatatttaat gactagtatt tatgcattat atttatatgc	780	
55 aactctaaac atgcagttt ctggagaaac gtacaccgtg actctggaa gactcgatgc	840	
57 aagaacggcg aaccttaccg gagctaacac ccaactcgac ggacccaaacg aggaattggc	900	
59 atcgcaagtc gagaaattt cggcgaaagg gttctccgaa acggagctag tcgccttgc	960	
61 aggtgttac acgggtgggt tttcgagatg tccgcttttgcgttccca ttttcatcaa	1020	
63 tcccgcccg gcctccacgc tgcaatgcaa ctgtccggtg agtcccgaacg acaccgggct	1080	
65 ggtggccctg gacccactc cggtgacgtg ggacccaaagt ttttactccg acgtggctaa	1140	

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Input Set : A:\pto.da.txt
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67 cggacaaggg cttctgttct ccgacaacga gctgatgaat agcaacacca ccagcgccgc 1200
 69 cgtagggagg tacagggacg agatggacgc ttttcgcgc gatttcgcgg ccgcgcattgt 1260
 71 gaagatgagc ctccgtccgc cgtccccgg agtggagctc gaaatccgag aggttgcag 1320
 73 cgaggtgaat gccaacacag ttgcattcat gtgaagttcg ttccatcgatcaataac 1380
 75 gtctgtgatt ctgtgaaagt ttactcgga ctgtgaagaa ttttactt ctgtgtttc 1440
 77 taaaataaaaa aagattttt ttttatgtcc taacaaaact tgtattactg aataaaattt 1500

E--> 79 ataaaatttgt ta

1512

80 1512

119 <210> SEQ ID NO: 4
 120 <211> LENGTH: 306
 121 <212> TYPE: DNA
 122 <213> ORGANISM: Ipomoea batatas
 124 <220> FEATURE:
 125 <221> NAME/KEY: promoter
 126 <222> LOCATION: (1)..(306)
 127 <223> OTHER INFORMATION: -306 deletion promoter
 130 <400> SEQUENCE: 4

131 taaggtgttt tatcgtggca gcatgagtgc atgacaaacg catatattat tattaaaaca 60
 133 aaatagtagtact ccaatcataa taaattatct tatattatat tgccaaacat taaaattca 120
 135 aattagaaca aattaaatct cagttgcct tattatatta ttatcaacaa taataattta 180
 137 atactgatcg aagaacttgc ctttcaagt tctctattta aggaagcctg agaagccatt 240
 139 aatcctcattc atcagctcga ccactcattt cttttcata cttccttgc tgtgataatc 300

E--> 141 atcattc

306

142 306
 145 <210> SEQ ID NO: 5
 146 <211> LENGTH: 366
 147 <212> TYPE: DNA
 148 <213> ORGANISM: Ipomoea batatas
 150 <220> FEATURE:
 151 <221> NAME/KEY: promoter
 152 <222> LOCATION: (1)..(366)
 153 <223> OTHER INFORMATION: -366 deletion promoter
 156 <400> SEQUENCE: 5

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 159 taaggtgttt tatcgtggca gcatgagtgc atgacaaacg catatattat tattaaaaca 120
 161 aaatagtagtact ccaatcataa taaattatct tatattatat tgccaaacat taaaattca 180
 163 aattagaaca aattaaatct cagttgcct tattatatta ttatcaacaa taataattta 240
 165 atactgatcg aagaacttgc ctttcaagt tctctattta aggaagcctg agaagccatt 300
 167 aatcctcattc atcagctcga ccactcattt cttttcata cttccttgc tgtgataatc 360

E--> 169 atcattc

366

170 366
 173 <210> SEQ ID NO: 6
 174 <211> LENGTH: 433
 175 <212> TYPE: DNA
 176 <213> ORGANISM: Ipomoea batatas
 178 <220> FEATURE:
 179 <221> NAME/KEY: promoter
 180 <222> LOCATION: (1)..(433)
 181 <223> OTHER INFORMATION: -433 deletion promoter

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/597,945

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Input Set : A:\pto.da.txt
Output Set: N:\CRF4\08232006\J597945.raw

184 <400> SEQUENCE: 6
 185 atggtgactt aaagggctga atccaacata tattctgaca tttaaaaatg ctaacgtacg 60
 187 gtttagattag tataatgaaa taaagttaat cattcttat atttgatgat ggtaattagt 120
 189 atcatggtaa ggtgtttat cggtgcagca tgagtgcacg acaaacgc atattattat 180
 191 taaaacaaaa tagtactcca atcataataa attatcttattatattgc caacaattaa 240
 193 aaattcaaat tagaacaat taaatctcg tttgctttat tatattatta tcaacaataa 300
 195 taatttaata ctgatcgaag aactttccct ttcaagttct ctatthaagg aagcctgaga 360
 197 agccattaat cctcatcatc agctcgacca ctcatttctt cttcataactt cctttgctgt 420
E--> 199 gataatcatc atc
 200 433
 360 <210> SEQ ID NO: 10
 361 <211> LENGTH: 1934
 362 <212> TYPE: DNA
 363 <213> ORGANISM: Ipomoea batatas
 365 <220> FEATURE:
 366 <221> NAME/KEY: promoter
 367 <222> LOCATION: (1)..(1934)
 368 <223> OTHER INFORMATION: -1934 deletion promoter
 371 <400> SEQUENCE: 10
 372 ttcgtccatctc accacttcgt cttaaacaaat ctaggatatt ctttagatatt cttcataactc 60
 374 aagtctcaca cttgaaatca atcaagactc ttacactaac aattcctcaa tataccat 120
 376 aatatcatct ctacttaaac tagagagatt tccaaactctc aattaatcac caaaggtaac 180
 378 tctccaaata tccaaatgga aggttcaac ttccaaacta ataccaaacc aaccggacta 240
 380 atcataatca tattcataat cataaaattgt ttctaactgc ccctgtccag aaattacagt 300
 382 tttgcgcagt ccgaaagatt gagccgtaa caatagttcc cgaactctt ttcacttggaa 360
 384 attttatgg tagaacccta acttataatgt cttgatattcc ataaaaagtt ttggtcaccc 420
 386 aggttcacga attaacacag aaaattacat ctttgcctt ggcagtggc tgtccggaaat 480
 388 tctgtctctc tggaccagtt ttggcaaaca attttgaac cacacttata ctactccaa 540
 390 aattatgaaa tttttatggt agttctaca cttatagaac tacatgtata aaaaatattg 600
 392 ggtcaaaata ccttaccgat tttcccaaatttatttcaacttccaaat tattcacgga acttactgcc agaatctacc 660
 394 ctgcttttc ctttcaactat tttcacaact ataagcatat atgggcataa atatgacatg 720
 396 aacatgcatg aaccaatgca gggtaaagt aagattgaat atactgatac tacaattaaac 780
 398 taatgataaaa gtataacttt tgtaaaaaat ttgatttttt tttttgatga attcatataac 840
 400 tccaaagatt ttcctcattt aattaaattt ctatcctcat gttgaacccca ttaatcgaat 900
 402 aattgacata ttagataaaac ttagccatca tatgacattt gatcatgatt gatgattttt 960
 404 aaaaaataaa aacaaaatta tgaagggtt atgaaatatt taaaaaaaaat tatgtaaacc 1020
 406 ctgtaatcta gtaatctgtt caataataat ttgtttcaa ctaagaggat gttggaaaaaa 1080
 408 gtataattaa acttgtgatc ttctgtacaat aattatgtttt caccactca actagtcaca 1140
 410 tctttccagg caaaattttac ttttcttatga atatgagaag ttccatctat gggaaataac 1200
 412 gattattttat ctaatttca aattcttat atatagtcg gaggtaaca aaaaatagaac 1260
 414 taatttgaac aaatcaaagt ctaagaaaat aatacatgtt ttgcgcacaa aaataagaat 1320
 416 ggtactatac ttaatcctca tcatagtttt caaccctgca tatgcacac ttaacatttt 1380
 418 atattcaaat atactttat ttgtcatga taatacaact cacctactcc attatagccg 1440
 420 ataatacaac tcaccttagct actccattat agtccaaacaa tatcaaatga ataaaaatagt 1500
 422 aatggtgact taaagggtcg aatccaaacat atattctgac attaaaaat gcttaacgtac 1560
 424 ggttagatta gtataatgaa ataaagttaa tcattctcta tatttgatga tggtaattag 1620
 426 tattcatggta aggtgtttt tcgtggcagc atgagtgcac gacaaacgc tatattatta 1680
 428 taaaacaaaa atagttactcc aatcataataa aattatctta tattatattt ccaacaattaa 1740
 430 aaaattcaaa ttggaaacaaa ttaatctca gtttgcttta ttatattt atcaacaataa 1800
433

RAW SEQUENCE LISTING
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Input Set : A:\pto.da.txt
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432 ataatttaat actgatcgaa gaactttccc tttcaaggttc tctatttaag gaaggctgag 1860
434 aagccattaa tcctcatcat cagctcgacc actcatttct tcttcataact tccttgctg 1920

E--> 436 tgataatcat catc

437 1934

770 <210> SEQ ID NO: 30

771 <211> LENGTH: 21

772 <212> TYPE: DNA

773 <213> ORGANISM: Artificial Sequence

775 <220> FEATURE:

776 <223> OTHER INFORMATION: reverse primer for NPTII

779 <400> SEQUENCE: 30

780 atcgggagcgc gcgataaccgt a

21

E--> 782 1

E--> 786 1

delete

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 08/24/2006
PATENT APPLICATION: US/10/597,945 TIME: 13:07:46

Input Set : A:\pto.da.txt
Output Set: N:\CRF4\08232006\J597945.raw

Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:4; Line(s) 141
Seq#:5; Line(s) 169

VERIFICATION SUMMARY
PATENT APPLICATION: US/10/597,945

DATE: 08/24/2006
TIME: 13:07:46

Input Set : A:\pto.da.txt
Output Set: N:\CRF4\08232006\J597945.raw

L:14 M:259 W: Allowed number of lines exceeded, <140> CURRENT APPLICATION NUMBER:
L:16 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:17 M:259 W: Allowed number of lines exceeded, <150> PRIOR APPLICATION NUMBER:
L:79 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:1512 SEQ:1
L:141 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:306 SEQ:4
L:169 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:366 SEQ:5
L:199 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:433 SEQ:6
L:436 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:1934 SEQ:10
L:783 M:254 E: No. of Bases conflict, this line has no nucleotides.
L:786 M:254 E: No. of Bases conflict, this line has no nucleotides.